8013-A

HALF-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

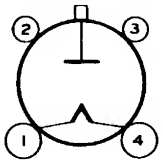
Filament, Thoriated Tungsten:

	Min.	*Av.*	*Max.*	
Voltage	2.37	2.50	2.63	ac volts
Current at 2.50 volts	4.7	5.0	5.3	amp

Mechanical:

Mounting Position . . Any, preferably vertical with base down
Maximum Overall Length. . . . . 6-1/16"
Seated Length . . . . . 5-9/32" ± 5/32"
Maximum Diameter. . . . . 2-1/16"
Weight (Approx.). . . . . 2.9 oz
Bulb. ST-16
Cap . . . . Skirted Medium with Rolled Edge (JETEC No. C1-19)
Base. . . . . Medium-Shell Small 4-Pin (JETEC No. A4-9)
Basing Designation for BOTTOM VIEW. 4P

Pin 1 - Filament
Pin 2 - No Connection
Pin 3 - No Connection



Pin 4 - Filament
Cap - Plate

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Maximum Ratings, *Absolute Values:*

PEAK PLATE VOLTAGE:			
Forward	40000▲	max.	volts
Inverse	40000▲	max.	volts
PLATE CURRENT:			
Peak	150	max.	ma
Average	20	max.	ma
Fault	500	max.	ma
PLATE DISSIPATION	12	max.	watts

OPERATING CONSIDERATIONS

Filament and *plate voltage* may be applied simultaneously to the 8013-A.

The *bulb* of the 8013-A should be cleaned regularly. Accumulation of dust or other foreign matter on the bulb will cause leakage and, as a result, probably tube failure.

X-rays are produced during normal operation of the 8013-A. These rays can constitute a health hazard unless the tube is adequately shielded for X-ray radiation. Although relatively simple shielding should prove adequate, make sure it provides the required protection to the operator.

▲This value may be increased to 55000 volts when the 8013-A is immersed in oil.

← Indicates a change.

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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